WHAT IS CLAIMED IS:

camera, comprising:

- a horizontal edge signal generator and a yertical 5 signal respectively generating generator for edge correction / horizontal and vertical signals horizontal and vertical directions of a sensed image obtained via an image sensing element of a digital video camera:
- a horizontal edge signal gain controller and a vertical edge signal gain controller for controlling gains of the horizontal and vertical edge correction signals respectively from said horizontal edge signal generator and said vertical edge signal generator;
- an adder for adding the horizontal and vertical edge correction signals whose gains are controlled by said horizontal edge signal gain controller and said vertical edge signal gain controller;
- a slice processor for adding, to an image processing
 20 signal of the digital video camera, an edge correction
 signal obtained by performing slice processing for an edge
 signal output from said adder; and
 - a vertical edge component suppression position detector for causing said vertical edge signal gain controller to execute gain control of the vertical edge

correction signal in accordance with a horizontal difference signal output from said horizontal edge signal generator.

- 2. An apparatus according to claim 1, wherein the horizontal difference signal is a signal corresponding to a luminance difference between horizontally adjacent pixels that is output from said horizontal edge signal generator.
- 3. An apparatus according to claim 1, wherein the horizontal difference signal is a signal corresponding to an output difference in green signal between horizontally adjacent pixels that is output from said horizontal edge signal generator.
- 4. An apparatus according to claim 1, wherein the horizontal difference signal is a signal corresponding to a luminance difference between horizontally adjacent pixels that is output from said horizontal edge signal generator and a difference between digital video camera CCD output signals vertically adjacent at the same pixel position.
 - 5. An apparatus according to claim 1, wherein the horizontal difference signal is a signal corresponding to an output difference in green signal between horizontally adjacent pixels that is output from said horizontal edge signal generator and a difference between digital video

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camera CCD output signals vertically adjacent at the same pixel position.

- 6. An apparatus according to claim 1, wherein gain control of the vertical edge correction signal by said vertical edge signal gain controller is executed when an amplitude of the horizontal difference signal exceeds a set threshold.
- 7. An apparatus according to claim 2, wherein gain control of the vertical edge correction signal by said vertical edge signal gain controller is executed when the luminance difference between horizontally adjacent pixels is not less than a set threshold.
- 8. An apparatus according to claim 3, wherein gain control of the vertical edge correction signal by said vertical edge signal gain controller is executed when the output difference in green signal between horizontally adjacent pixels is not less than a set threshold.
- 9. An apparatus according to claim 4, wherein gain control of the vertical edge correction signal by said vertical edge signal gain controller is executed when the luminance difference between horizontally adjacent pixels not Aless than а set threshold. and outputs vertical/ly adjacent digital CCD output video camera signals are not more than the set threshold.
- 25 1/0. An apparatus according to claim 5, wherein gain

control of the vertical edge correction signal by said vertical edge signal gain controller is executed when the output difference in green signal between horizontally adjacent pixels is not less than a set threshold, and the difference between vertically adjacent digital video camera CCD output signals is not more than the set threshold.